## METHOD MEASURING LEVEL OF LIQUID MEDIA AND DEVICE FOR ITS REALIZATION

Patent number:

RU2117262

**Publication date:** 

1998-08-10

Inventor:

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Applicant:

MUNITSIPAL NOE PREDPRIJATIE VO

Classification:

- international:

G01F23/296

- european:

Application number:

RU19960124440 19961226

Priority number(s):

RU19960124440 19961226

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## Abstract of RU2117262

FIELD: measurement technology, systems for automatic control and regulation of parameters of technological process. SUBSTANCE: method lies in formation of first and second probing pulses along two specified directions. Information on value of monitored medium is formed in the form of two sequences of acoustic signals. Device for realization of method has three ultrasonic converters and signal processing circuit determining level of medium. First ultrasonic converter is mounted on horizontal section of first measurement tube. Second and third converters are mounted on walls of second measurement tube. Instability of propagation of probing signal does not influence value of level of medium. EFFECT: enhanced authenticity of measurement results. 2 cl, 2 dwgc

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DERWENT-ACC-NO:

2000-060607

DERWENT-WEEK:

200005

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TITLE:

Method measuring level of liquid media and

device for

its realization

INVENTOR: KOSTIN, A G; KULIKOV, V N

PATENT-ASSIGNEE: VODOKANAL ENTERP[VODOR]

PRIORITY-DATA: 1996RU-0124440 (December 26, 1996)

PATENT-FAMILY:

PUB-NO PUB-DATE LANGUAGE

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APPLICATION-DATA:

PUB-NO APPL-DESCRIPTOR APPL-NO

APPL-DATE

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December 26, 1996

INT-CL (IPC): G01F023/296

ABSTRACTED-PUB-NO: RU 2117262C

BASIC-ABSTRACT:

NOVELTY - Method lies in formation of first and second probing pulses along two

specified directions. Information on value of monitored medium is formed in

the form of two sequences of **acoustic** signals. Device for realization of

method has three <u>ultrasonic</u> converters and signal processing circuit determining level of medium. First <u>ultrasonic</u> converter is mounted on

horizontal section of first measurement tube. Second and third

converters are

mounted on walls of second measurement tube. Instability of propagation of

probing signal does not influence value of level of medium.

6/23/05, EAST Version: 2.0.1.4

USE - Measurement technology, systems for automatic control and regulation of parameters of technological process.

ADVANTAGE - Enhanced authenticity of measurement results. 2 cl, 2 dwgc

CHOSEN-DRAWING: Dwg.1/1

TITLE-TERMS: METHOD MEASURE LEVEL LIQUID MEDIUM DEVICE

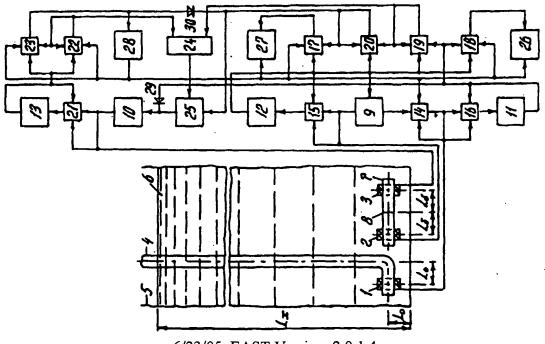
DERWENT-CLASS: S02

EPI-CODES: S02-C06D3;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N2000-047427

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